AUTODOC CLUB

# How to change air filter on **BMW E46** – replacement guide

## VIDEO TUTORIAL



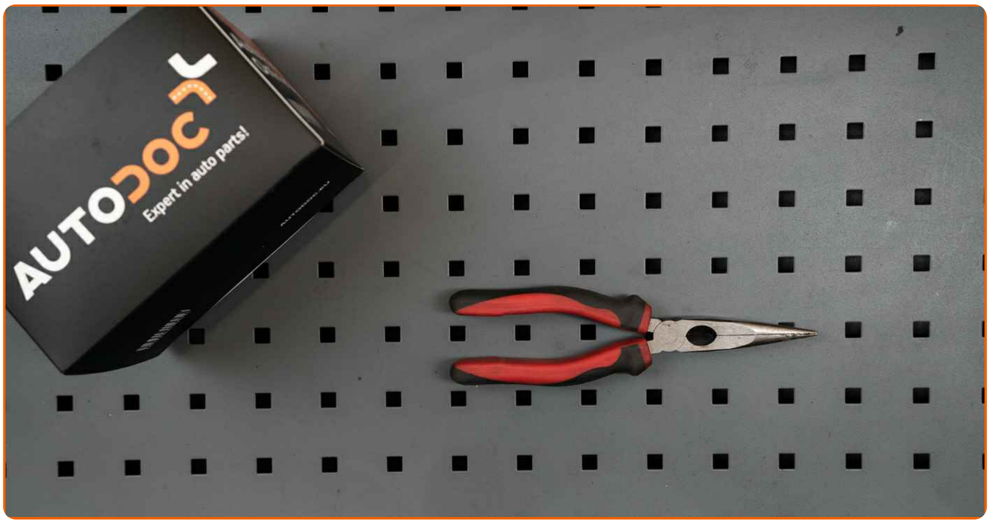

**Important!**

This replacement procedure can be used for:
BMW 3 Saloon (E36) 320i 2.0, BMW 3 Coupe (E36) 320i 2.0, BMW 3 Saloon (E36) 325i 2.5, BMW 3 Coupe (E36) 325i 2.5, BMW 3 Convertible (E36) 320i 2.0, BMW 3 Convertible (E36) 325i 2.5, BMW 3 Coupe (E36) M3 3.0, BMW 3 Convertible (E36) M3 3.0, BMW 3 Touring (E36) 320i 2.0, BMW 3 Touring (E36) 328i 2.8, BMW 3 Saloon (E36) 328i 2.8, BMW 3 Saloon (E36) 323i 2.5, BMW 3 Coupe (E36) 328i 2.8, BMW 3 Convertible (E36) 328i 2.8, BMW 5 Saloon (E39) 520i 2.0, (+ 67)

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The steps may slightly vary depending on the car design.

## REPLACEMENT: AIR FILTER – BMW E46. TOOLS YOU MIGHT NEED:




- Round-nose pliers
- Fender cover

BUY TOOLS

Replacement: air filter – BMW E46. AUTODOC recommends:

- Follow the terms, recommendations and requirements of the part operation provided by the manufacturer.
- All work should be done with the engine stopped.

## REPLACEMENT: AIR FILTER – BMW E46. USE THE FOLLOWING PROCEDURE:

**1** Open the hood.

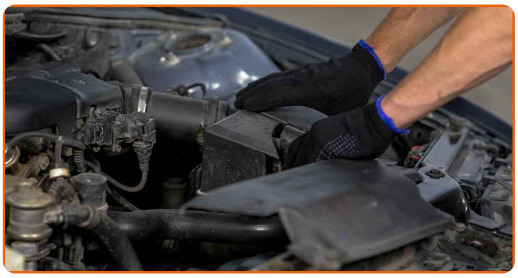


**2** Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

**3** Remove the fasteners of the air duct housing. Use round-nose pliers.



**4** Detach the air duct housing from the air filter housing.



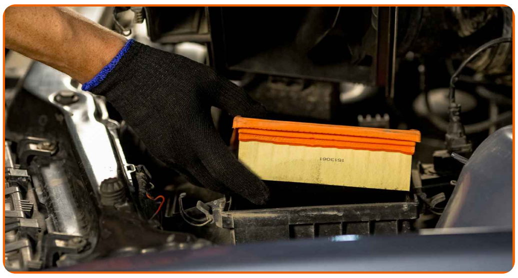
5 Slide the filter cover clips.



6 Take off the filter lid.



7 Remove the filter element from the filter housing.

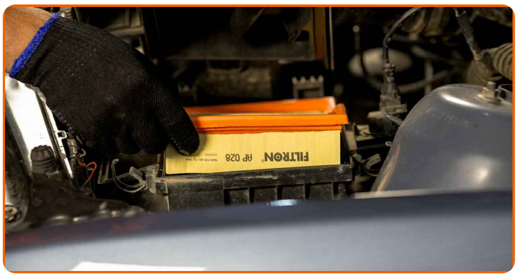


8 Clean the air filter cover and housing.

## Replacement: air filter – BMW E46. Tip:

- Before cleaning the air filter cover and housing, cover the air duct parts, mass airflow sensor (if available), throttle valve with a clean cloth.

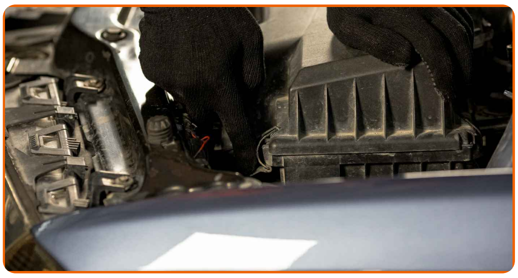
**9** Insert a new filter element into the filter housing. Make sure that the filter edge fits tight to the housing.



## Replacement: air filter – BMW E46. Professionals recommend:

- Check out the correct location of the filter element. Do not skew.
- Take care to only use quality filters.
- During installation, make sure to prevent dust and dirt from getting into the air filter housing.

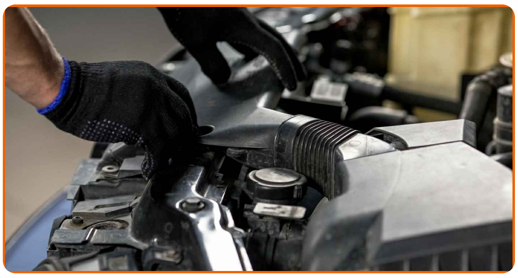
**10** Reinstall the air filter cover. Fasten it.



**11** Lock the retaining clips of the air filter housing cover.



**12** Install the air duct housing.



## AUTODOC recommends:

- Be careful not to damage the air flow meter connected to the air filter housing upper cover on BMW E46.

**13** Install the air duct housing fasteners.



**14** Remove the fender protection cover.

**15** Close the hood.

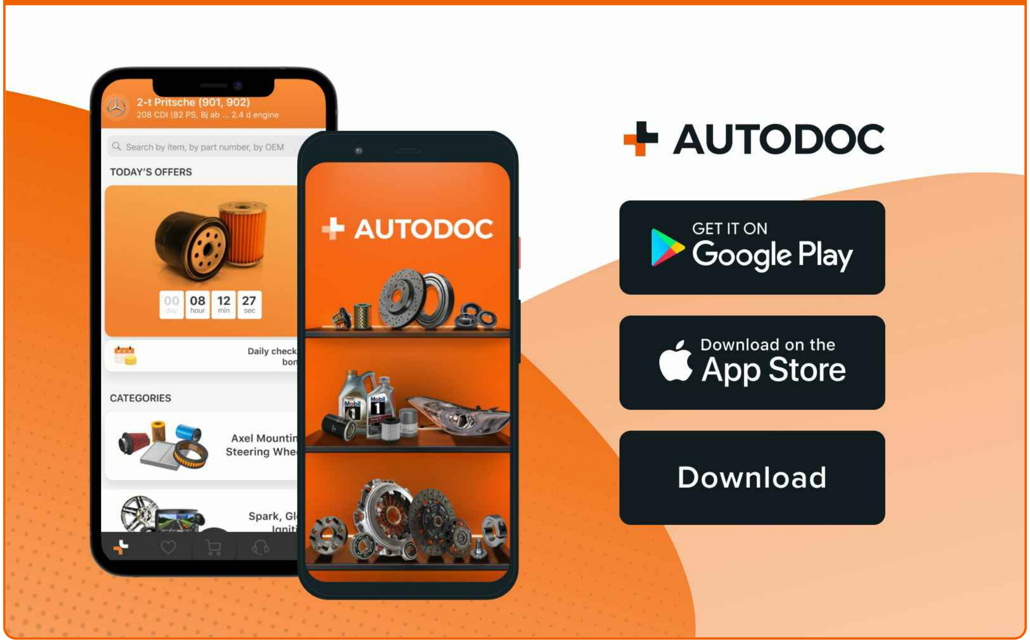


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